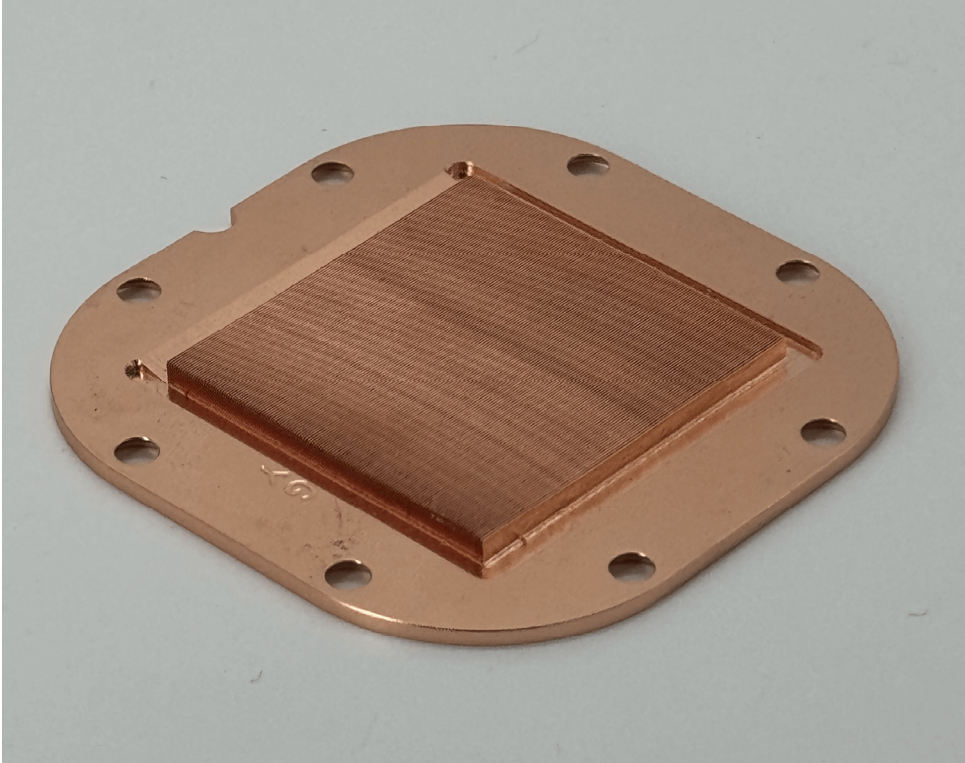
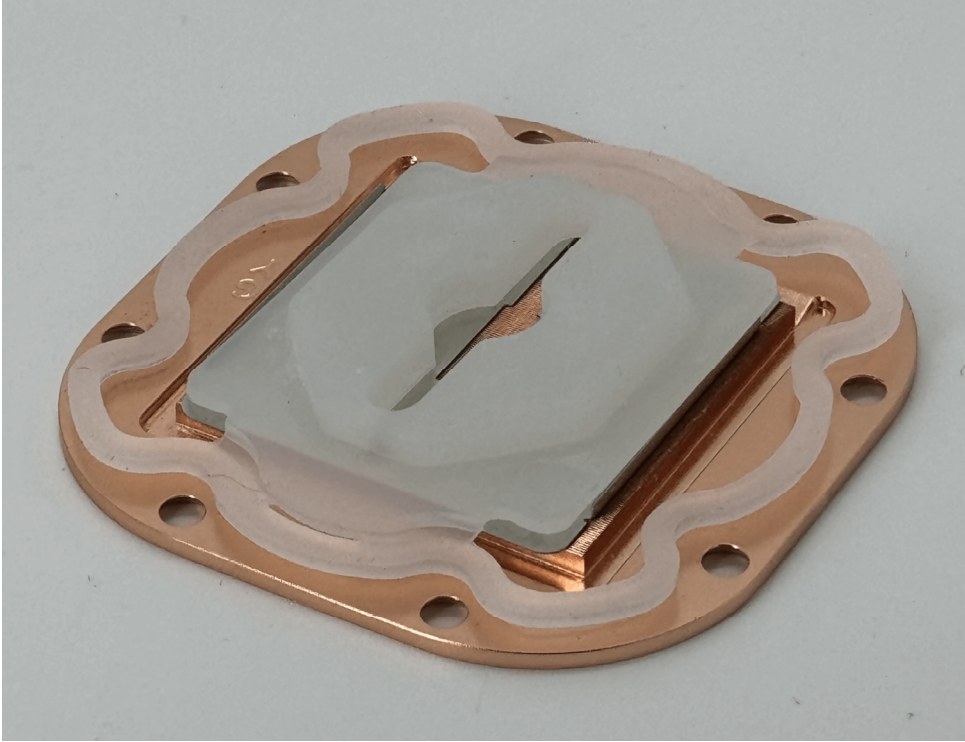
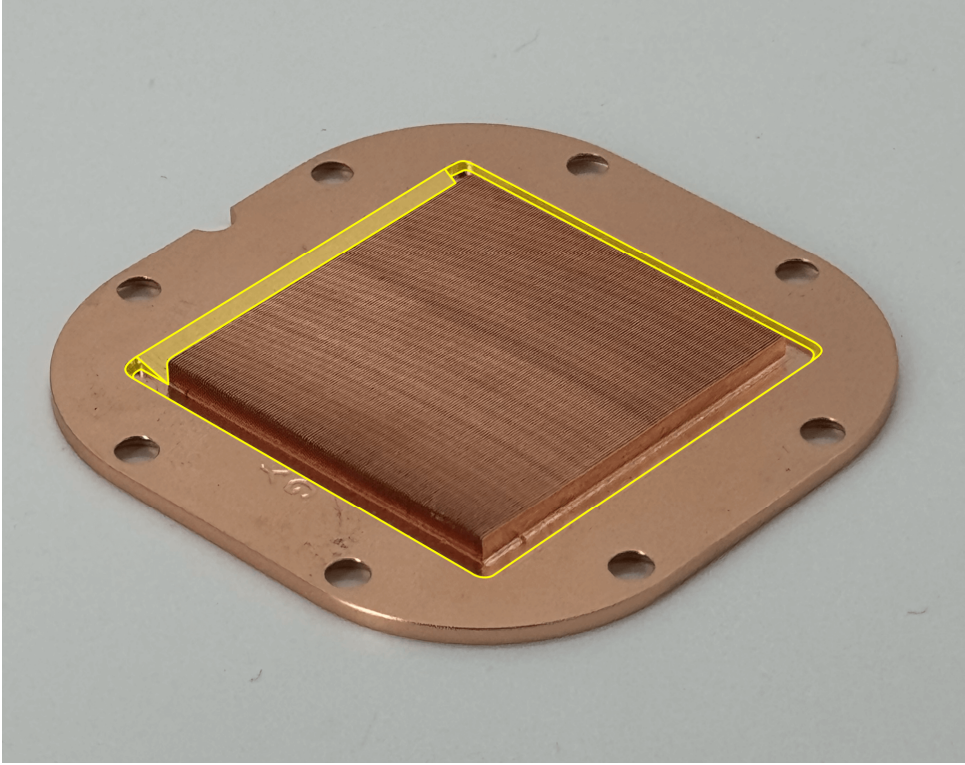


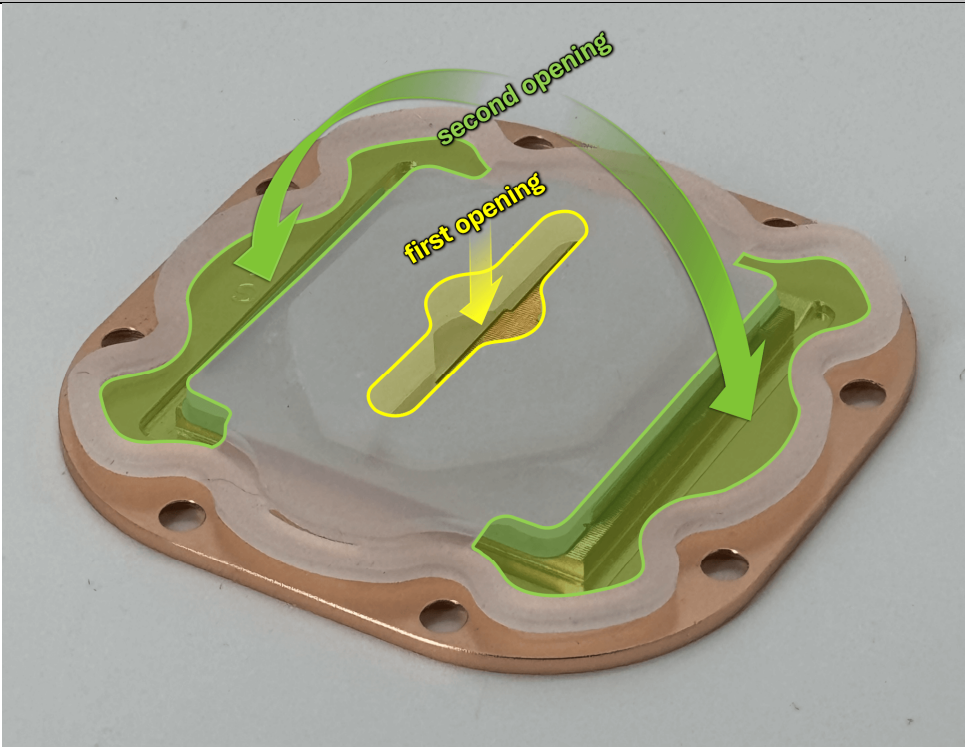
Exhibit 4 (Part 1)

Claims of the '450 Patent	SilverStone ICEMYST 240																																											
1. A cooling apparatus, comprising:	<p>The SilverStone ICEMYST 240 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone ICEMYST 240, available at https://www.silverstonetek.com/upload/sstdm/im240-argb/IM240-ARGB%20Product%20Sheet-EN.pdf.</p> <div></div> <div><div>IM240-ARGB</div><div>Premium All-In-One liquid cooler with ARGB lighting</div></div> <ul style="list-style-type: none">• SilverStone's newly designed expandable water block features a seamless 360° rotatable top cover• Modular cabling design greatly simplifies connection and management of cables• Slight-convexed copper baseplate ensures firm contact with the processor• Radiator-optimized cooling fans with tremendous airflow and static pressure figures• Three-phase, six-pole motor design• ARGB controller included with 10 lighting modes, along with adjustable brightness and color-changing speed <div><div>Specifications</div><table><tr><td>Model No.</td><td>SST-IM240-ARGB</td></tr><tr><td>Application</td><td>Intel LGA 115X/1200/1700/2011/2066 AMD socket AM5/AM4</td></tr><tr><td rowspan="2">Water block</td><td>Dimension</td><td>73mm (W) x 70mm (H) x 84mm (D) 2.87" (W) x 2.76" (H) x 3.31" (D)</td></tr><tr><td>Material</td><td>Copper base with plastic body</td></tr><tr><td rowspan="2">Radiator</td><td>Dimension</td><td>120mm (W) x 28mm (H) x 277mm (D) 4.72" (W) x 1.1" (H) x 10.91" (D)</td></tr><tr><td>Material</td><td>Aluminum</td></tr><tr><td rowspan="2">Tube</td><td>Length</td><td>460mm</td></tr><tr><td>Material</td><td>Rubber</td></tr><tr><td rowspan="4">Pump</td><td>Motor speed</td><td>3,100 ±10% RPM</td></tr><tr><td>Rated Voltage</td><td>12V</td></tr><tr><td>Rated Current</td><td>0.38A</td></tr><tr><td>Connector</td><td>2510 - 3 pin</td></tr><tr><td rowspan="7">Fan</td><td>Dimension</td><td>120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D)</td></tr><tr><td>Speed</td><td>500 ~ 2,200 RPM</td></tr><tr><td>airflow</td><td>75.74 CFM</td></tr><tr><td>air pressure</td><td>3.4mmH2O</td></tr><tr><td>Noise level</td><td>12.1 ~ 33.1 dBA</td></tr><tr><td>Rated Voltage</td><td>12V</td></tr><tr><td>Connector</td><td>4 pin PWM & 4-1 pin ARGB (5V LED)</td></tr></table><div><div>Remark</div><ul style="list-style-type: none">• Please ensure that the control box and the RGB port on the motherboard you wish to connect are compatible with the RGB port definition of the IM240-ARGB. An incorrect connection may result in malfunctions or damage.</div></div>	Model No.	SST-IM240-ARGB	Application	Intel LGA 115X/1200/1700/2011/2066 AMD socket AM5/AM4	Water block	Dimension	73mm (W) x 70mm (H) x 84mm (D) 2.87" (W) x 2.76" (H) x 3.31" (D)	Material	Copper base with plastic body	Radiator	Dimension	120mm (W) x 28mm (H) x 277mm (D) 4.72" (W) x 1.1" (H) x 10.91" (D)	Material	Aluminum	Tube	Length	460mm	Material	Rubber	Pump	Motor speed	3,100 ±10% RPM	Rated Voltage	12V	Rated Current	0.38A	Connector	2510 - 3 pin	Fan	Dimension	120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D)	Speed	500 ~ 2,200 RPM	airflow	75.74 CFM	air pressure	3.4mmH2O	Noise level	12.1 ~ 33.1 dBA	Rated Voltage	12V	Connector	4 pin PWM & 4-1 pin ARGB (5V LED)
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	Material	Aluminum																																										
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Pump	Motor speed	3,100 ±10% RPM																																										
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Fan	Dimension	120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D)																																										
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	Rated Voltage	12V																																										
	Connector	4 pin PWM & 4-1 pin ARGB (5V LED)																																										
a base plate configured to dissipate heat	The SilverStone ICEMYST 240 includes a base plate configured to dissipate heat and including a heat exchange unit.																																											

Claims of the '450 Patent	SilverStone ICEMYST 240
and including a heat exchange unit;	<p data-bbox="456 281 1403 352">An image of the base plate including the heat exchange unit is reproduced below:</p>  <p data-bbox="456 1213 1386 1331">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="456 1381 1370 1453">The base plate is configured to dissipate heat through the heat exchange unit.</p>
a cover member coupled to the base plate and at least partially enclosing the heat exchange unit,	<p data-bbox="456 1514 1382 1585">The SilverStone ICEMYST 240 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="456 1635 1162 1669">The cover member is comprised of a plastic membrane.</p> <p data-bbox="456 1719 1398 1791">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>


Claims of the '450 Patent	SilverStone ICEMYST 240
	 <p data-bbox="456 1066 1390 1182">When the SilverStone ICEMYST 240 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p>
<p data-bbox="215 1199 427 1562">the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit,</p>	<p data-bbox="456 1199 1373 1272">The cover member and the base plate in the SilverStone ICEMYST 240 define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="456 1325 1390 1688">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate, as well as the sections of the unrecessed portion of the base plate that are within the bounds set by the side walls of the plastic membrane.</p> <p data-bbox="456 1745 1398 1850">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>


Claims of the '450 Patent	SilverStone ICEMYST 240
	 <p data-bbox="456 1171 1406 1207">As described, this heat exchange chamber includes the heat exchange unit.</p>
the cover member defining a first opening and a second opening,	<p data-bbox="456 1262 1321 1335">The cover member in the SilverStone ICEMYST 240 defines a first opening and a second opening.</p> <p data-bbox="456 1383 1360 1457">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p>

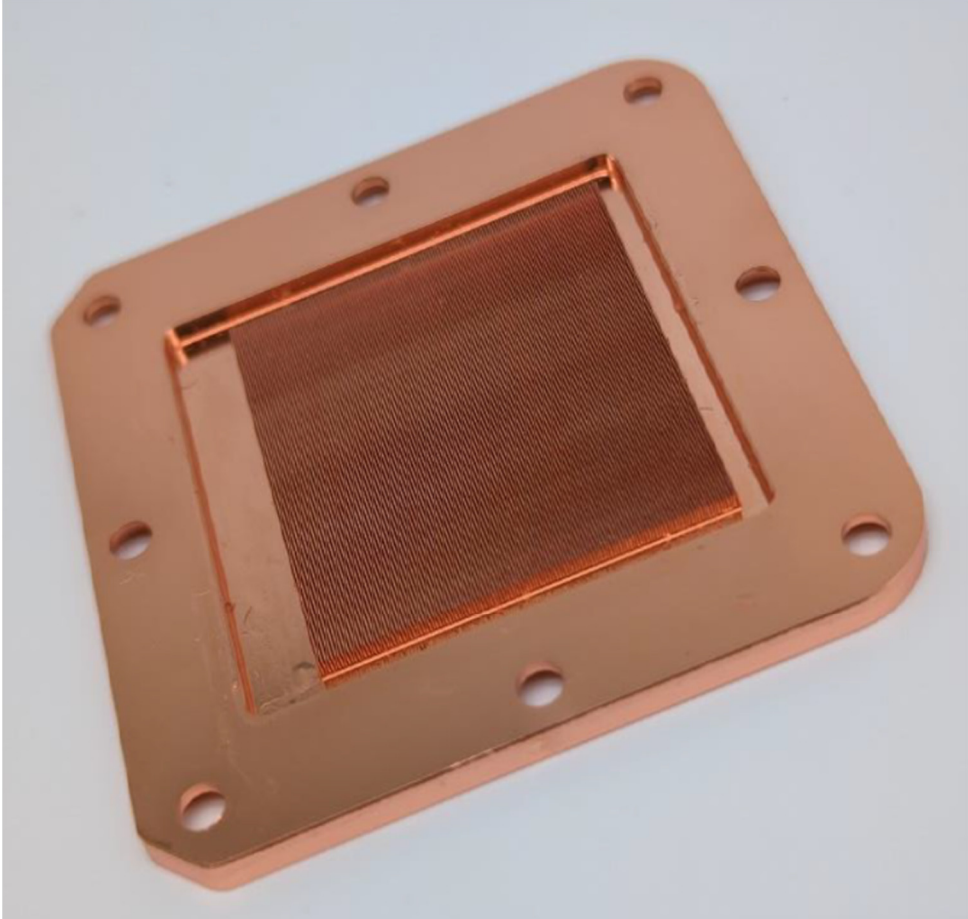
Claims of the '450 Patent	SilverStone ICEMYST 240
	
<p>and the cover member being coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber;</p>	<p>In the SilverStone ICEMYST 240, the cover member is coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange chamber.</p>
<p>a flow guidance plate disposed on the cover member;</p>	<p>The SilverStone ICEMYST 240 includes a flow guidance plate disposed on the cover member.</p> <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p>

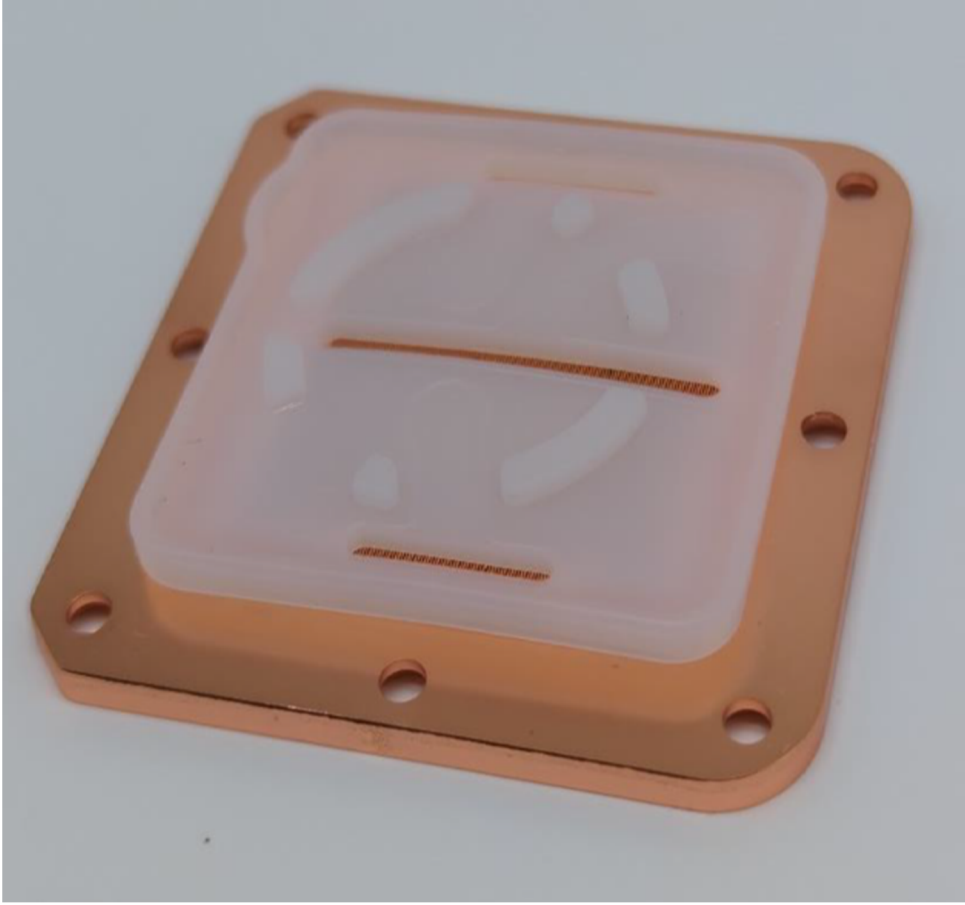
Claims of the '450 Patent	SilverStone ICEMYST 240
	<div data-bbox="456 279 1417 709">  </div> <p data-bbox="456 888 1382 961">Second, two views of the bottom of the flow guidance plate are depicted here:</p> <div data-bbox="456 1010 1417 1440">  </div> <p data-bbox="456 1577 1354 1650">When the SilverStone ICEMYST 240 is assembled, the flow guidance plate is disposed on the cover member (<i>i.e.</i>, the plastic membrane).</p>
a housing disposed on the flow guidance plate; and	<p data-bbox="456 1703 1382 1776">The SilverStone ICEMYST 240 includes a housing disposed on the flow guidance plate.</p> <p data-bbox="456 1829 1252 1860">Images of the top and bottom of the housing are shown below:</p>

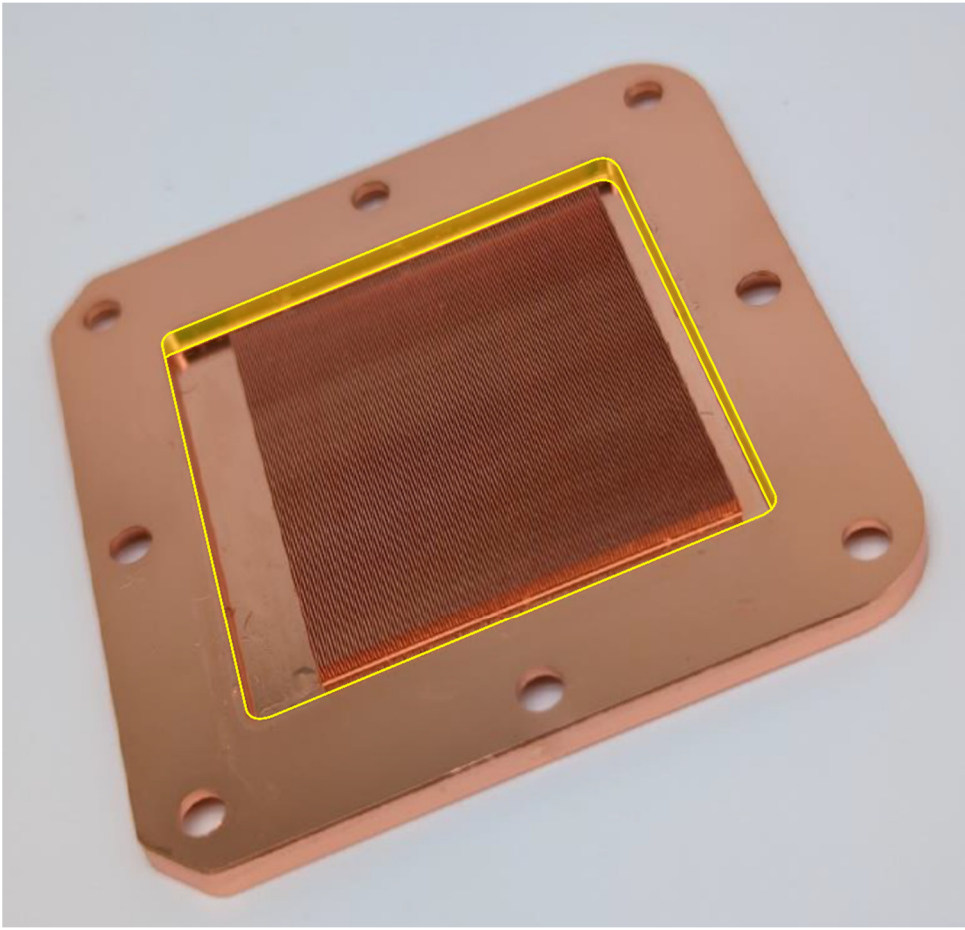
Claims of the '450 Patent	SilverStone ICEMYST 240
	

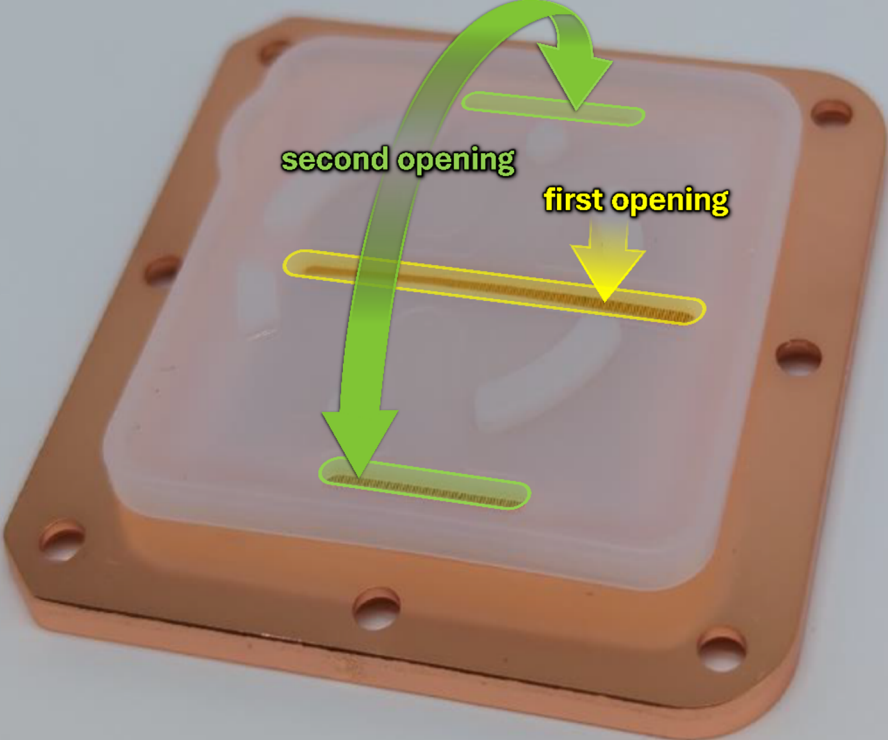
Claims of the '450 Patent	SilverStone ICEMYST 240
	<p>When the SilverStone ICEMYST 240 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p>
<p>an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p>	<p>The SilverStone ICEMYST 240 includes an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p> <p>Images of this outer casing are shown below:</p> <div data-bbox="469 741 1390 1262">  </div> <p>When the SilverStone ICEMYST 240 is assembled, the outer casing is secured to the base plate and at least partially encloses the cover member, the flow guidance plate, and the housing.</p>

Claims of the '450 Patent	SilverStone PF240														
1. A cooling apparatus, comprising:	<p>The SilverStone PF240 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone PF240, available at https://www.silverstonetek.com/upload/sstedm/pf240-argb/PF240-ARGB-V2-Product_sheet-EN.pdf.</p>  <p>The product sheet for the SilverStone PF240 ARGB V2 features the SilverStone logo and the model name 'PF240' in large blue letters. Below the name is a yellow bar with various RGB lighting logos including AURA Sync, Polychrome Sync, RGB, and MSI. The main image shows the PF240 unit with two ARGB fans. To the right of the main image are three smaller images: an 'Addressable RGB controller', an 'ARGB water block', and an 'ARGB fan'. A 'Specification' section is located below the main image, containing a table with details for the Model No., Water block, Pump, Fan, Radiator, Tube, and Application.</p> <table border="1"> <tr> <td>Model No.</td><td>SST-PF240-ARGB SST-PF240-ARGB-V2</td></tr> <tr> <td>Water block</td><td>Material: Copper base with plastic body Dimension: 61mm (L) x 61mm (W) x 50mm (H) 2.41" (L) x 2.41" (W) x 1.98" (H)</td></tr> <tr> <td>Pump</td><td>Motor speed: 3400±10% RPM Rated Voltage: 12V Rated Current: 0.39A</td></tr> <tr> <td>Fan</td><td>Dimension: 120mm (L) x 120mm (W) x 25mm (D) 4.72" (L) x 4.72" (W) x 0.98" (D) Speed: 600~2200 RPM Noise level: 7.4~35.6 dBA Rated Voltage: 12V Rated Current: 0.32A Max airflow: 94CFM Pressure: 3.53mm/H2O Connector: 4 Pin PWM</td></tr> <tr> <td>Radiator</td><td>Dimension: 272mm (L) x 120mm (W) x 28mm (H) 10.7" (L) x 4.72" (W) x 1.1" (H) Material: Aluminum</td></tr> <tr> <td>Tube</td><td>Length: 400 mm Material: Rubber</td></tr> <tr> <td>Application</td><td>Intel Socket LGA115x/1200/1700/2011/2066 (V2) Intel Socket LGA775/115X/1366/2011/2066 AMD Socket AM2/AM3/AM4/FM1/FM2</td></tr> </table>	Model No.	SST-PF240-ARGB SST-PF240-ARGB-V2	Water block	Material: Copper base with plastic body Dimension: 61mm (L) x 61mm (W) x 50mm (H) 2.41" (L) x 2.41" (W) x 1.98" (H)	Pump	Motor speed: 3400±10% RPM Rated Voltage: 12V Rated Current: 0.39A	Fan	Dimension: 120mm (L) x 120mm (W) x 25mm (D) 4.72" (L) x 4.72" (W) x 0.98" (D) Speed: 600~2200 RPM Noise level: 7.4~35.6 dBA Rated Voltage: 12V Rated Current: 0.32A Max airflow: 94CFM Pressure: 3.53mm/H2O Connector: 4 Pin PWM	Radiator	Dimension: 272mm (L) x 120mm (W) x 28mm (H) 10.7" (L) x 4.72" (W) x 1.1" (H) Material: Aluminum	Tube	Length: 400 mm Material: Rubber	Application	Intel Socket LGA115x/1200/1700/2011/2066 (V2) Intel Socket LGA775/115X/1366/2011/2066 AMD Socket AM2/AM3/AM4/FM1/FM2
Model No.	SST-PF240-ARGB SST-PF240-ARGB-V2														
Water block	Material: Copper base with plastic body Dimension: 61mm (L) x 61mm (W) x 50mm (H) 2.41" (L) x 2.41" (W) x 1.98" (H)														
Pump	Motor speed: 3400±10% RPM Rated Voltage: 12V Rated Current: 0.39A														
Fan	Dimension: 120mm (L) x 120mm (W) x 25mm (D) 4.72" (L) x 4.72" (W) x 0.98" (D) Speed: 600~2200 RPM Noise level: 7.4~35.6 dBA Rated Voltage: 12V Rated Current: 0.32A Max airflow: 94CFM Pressure: 3.53mm/H2O Connector: 4 Pin PWM														
Radiator	Dimension: 272mm (L) x 120mm (W) x 28mm (H) 10.7" (L) x 4.72" (W) x 1.1" (H) Material: Aluminum														
Tube	Length: 400 mm Material: Rubber														
Application	Intel Socket LGA115x/1200/1700/2011/2066 (V2) Intel Socket LGA775/115X/1366/2011/2066 AMD Socket AM2/AM3/AM4/FM1/FM2														
a base plate configured to dissipate heat and including a heat exchange unit;	<p>The SilverStone PF240 includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p>														


Claims of the '450 Patent	SilverStone PF240
	 <p data-bbox="456 1203 1417 1325">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="456 1371 1417 1451">The base plate is configured to dissipate heat through the heat exchange unit.</p>
a cover member coupled to the base plate and at least partially enclosing the heat exchange unit,	<p data-bbox="456 1503 1417 1583">The SilverStone PF240 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="456 1629 1417 1665">The cover member is comprised of a plastic membrane.</p> <p data-bbox="456 1711 1417 1791">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>


Claims of the '450 Patent	SilverStone PF240
	 <p data-bbox="456 1224 1414 1297">When the SilverStone PF240 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p>
the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit,	<p data-bbox="456 1308 1401 1388">The cover member and the base plate in the SilverStone PF240 define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="456 1434 1401 1724">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="456 1770 1401 1887">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>



Claims of the '450 Patent	SilverStone PF240
	 <p data-bbox="456 1325 1406 1367">As described, this heat exchange chamber includes the heat exchange unit.</p>
the cover member defining a first opening and a second opening,	<p data-bbox="456 1419 1398 1493">The cover member in the SilverStone PF240 defines a first opening and a second opening.</p> <p data-bbox="456 1545 1357 1619">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p>

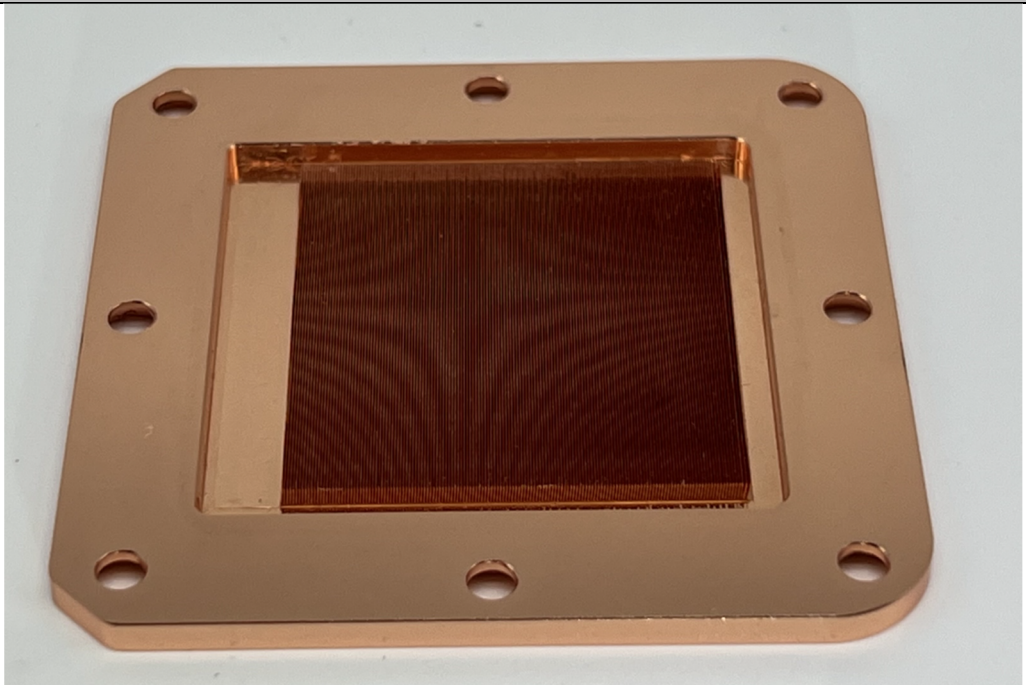
Claims of the '450 Patent	SilverStone PF240
	
<p>and the cover member being coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber;</p>	<p>In the SilverStone PF240, the cover member is coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange chamber.</p>
<p>a flow guidance plate disposed on the cover member;</p>	<p>The SilverStone PF240 includes a flow guidance plate disposed on the cover member.</p> <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p>


Claims of the '450 Patent	SilverStone PF240
	<div data-bbox="454 317 1393 737">  </div> <p data-bbox="454 957 1380 1031">Second, two views of the bottom of the flow guidance plate are depicted here:</p> <div data-bbox="454 1083 1393 1493">  </div> <p data-bbox="454 1625 1339 1703">When the SilverStone PF240 is assembled, the flow guidance plate is disposed on the cover member (<i>i.e.</i>, the plastic membrane).</p>
a housing disposed on the	The SilverStone PF240 includes a housing disposed on the flow guidance plate.

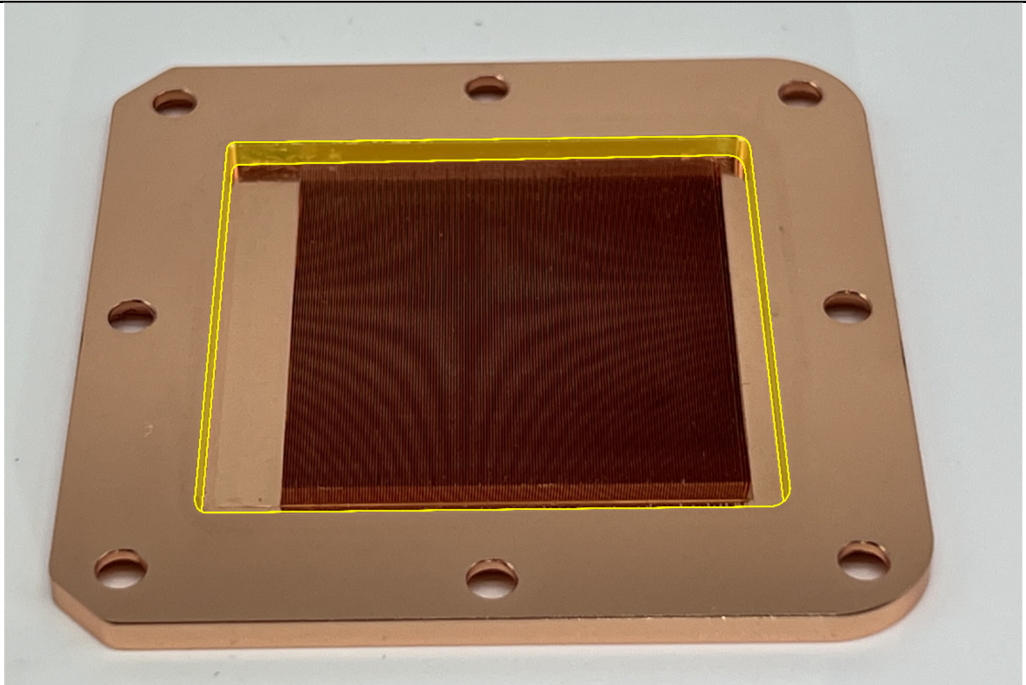
Claims of the '450 Patent	SilverStone PF240
<p>flow guidance plate; and</p>	<p>Images of the top and bottom of the housing are shown below:</p>  <p>When the SilverStone PF240 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p>
<p>an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p>	<p>The SilverStone PF240 includes an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p> <p>Images of this outer casing are shown below:</p>

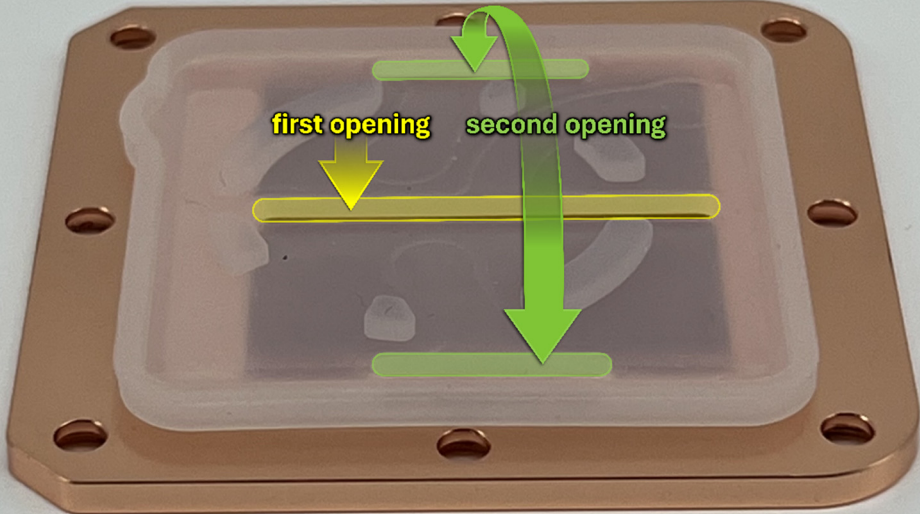
Claims of the '450 Patent	SilverStone PF240	
		
	<p>When the SilverStone PF240 is assembled, the outer casing is secured to the base plate and at least partially encloses the cover member, the flow guidance plate, and the housing.</p>	

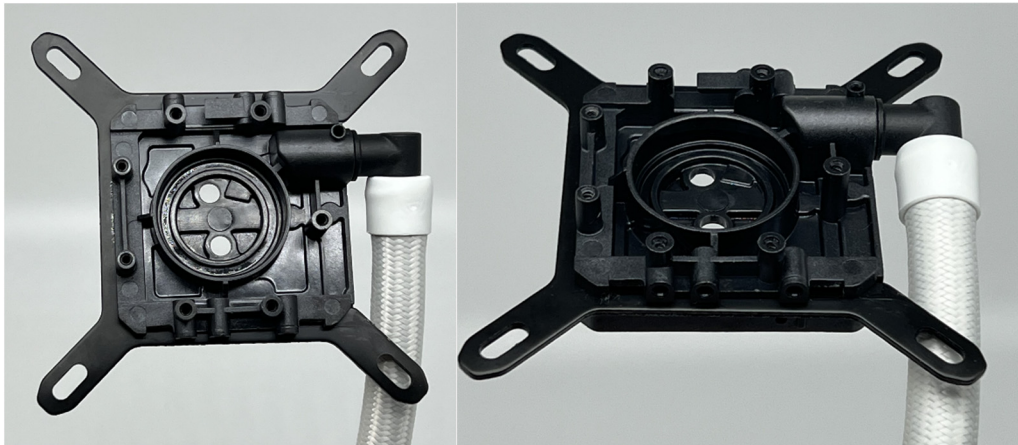
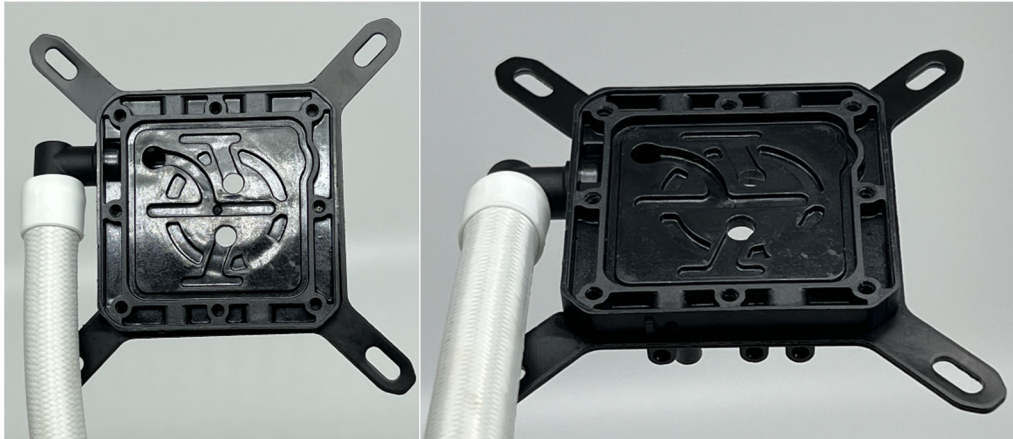
Claims of the '450 Patent	SilverStone PF240W
1. A cooling apparatus, comprising:	<p>The SilverStone PF240W is a cooling apparatus.</p> <p><i>See, e.g.,</i> Product Sheet - SilverStone PF240W, available at https://www.silverstonetek.com/upload/sstdm/pf240w-argb/PF240W-ARGB-V2-Product_Sheet-EN.pdf.</p> <div data-bbox="406 609 1396 955"> <p>Permafrost Series</p> <p>PF240W-ARGB</p> <p>Premium all-in-one liquid cooler with ARGB</p>   <ul style="list-style-type: none"> • Pure white colored radiator, fans and cables to help achieve the ultimate full white system build of your dream • Integrated addressable RGB lighting for water block and fan • Rubber pads included on fan for lower vibration and noise • Includes addressable RGB controller with 10 lighting modes and ability to adjust brightness and color changing speeds. • Compatible with Intel 775/115X/1366/1200/2011/2066 and AMD AM2/AM3/AM4/FM1/FM2 sockets • Compatible with Intel LGA115x/1200/1700/2011/2066 and AMD AM2/AM3/AM4/FM1/FM2 sockets (V2) </div>
a base plate configured to dissipate heat and including a heat exchange unit;	<p>The SilverStone PF240W includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p>

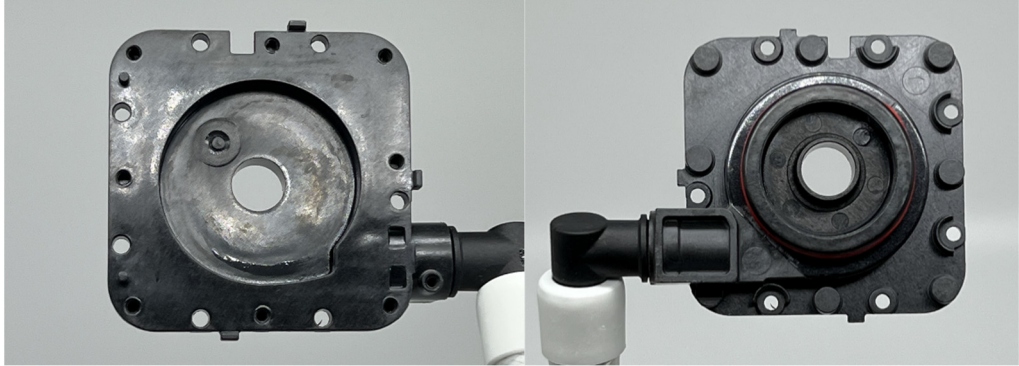
Claims of the '450 Patent	SilverStone PF240W
	 <p data-bbox="402 1045 1421 1171">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1213 1421 1255">The base plate is configured to dissipate heat through the heat exchange unit.</p>
a cover member coupled to the base plate and at least partially enclosing the heat exchange unit,	<p data-bbox="402 1297 1421 1381">The SilverStone PF240W includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1423 1421 1465">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1507 1421 1591">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>



Claims of the '450 Patent	SilverStone PF240W
	 <p data-bbox="402 1073 1414 1150">When the SilverStone PF240W is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p>
the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit,	<p data-bbox="402 1157 1414 1234">The cover member and the base plate in the SilverStone PF240W define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="402 1283 1414 1535">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="402 1577 1414 1661">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>



Claims of the '450 Patent	SilverStone PF240W
	 <p data-bbox="402 1087 1356 1129">As described, this heat exchange chamber includes the heat exchange unit.</p>
the cover member defining a first opening and a second opening,	<p data-bbox="402 1171 1372 1255">The cover member in the SilverStone PF240W defines a first opening and a second opening.</p> <p data-bbox="402 1297 1404 1381">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p>

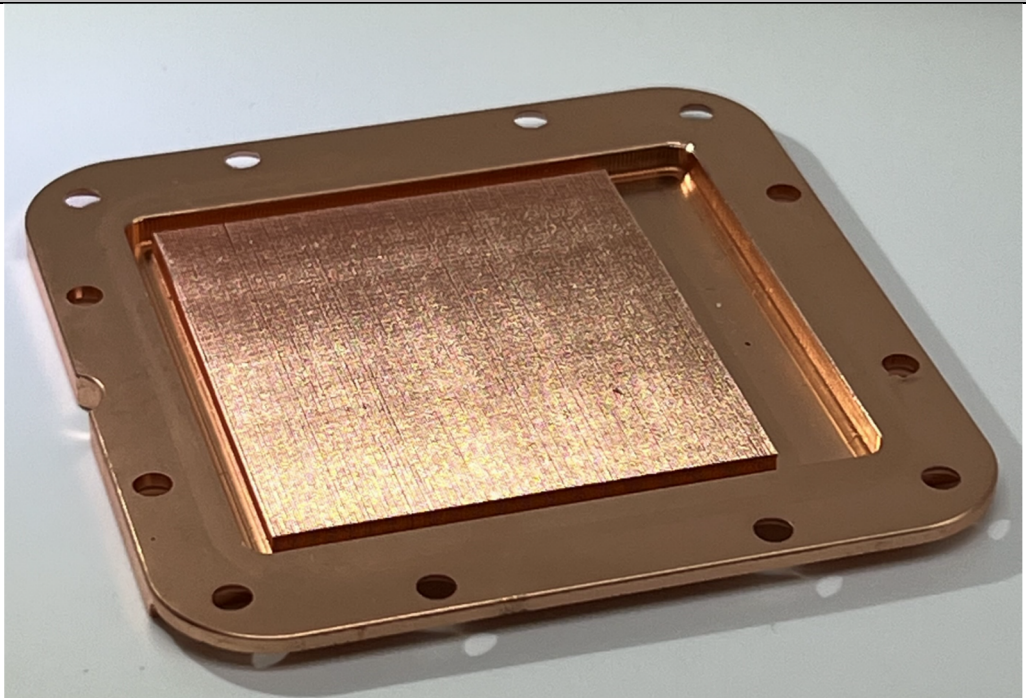
Claims of the '450 Patent	SilverStone PF240W
	
<p>and the cover member being coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber;</p>	<p>In the SilverStone PF240W, the cover member is coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange chamber.</p>
<p>a flow guidance</p>	<p>The SilverStone PF240W includes a flow guidance plate disposed on the cover member.</p>

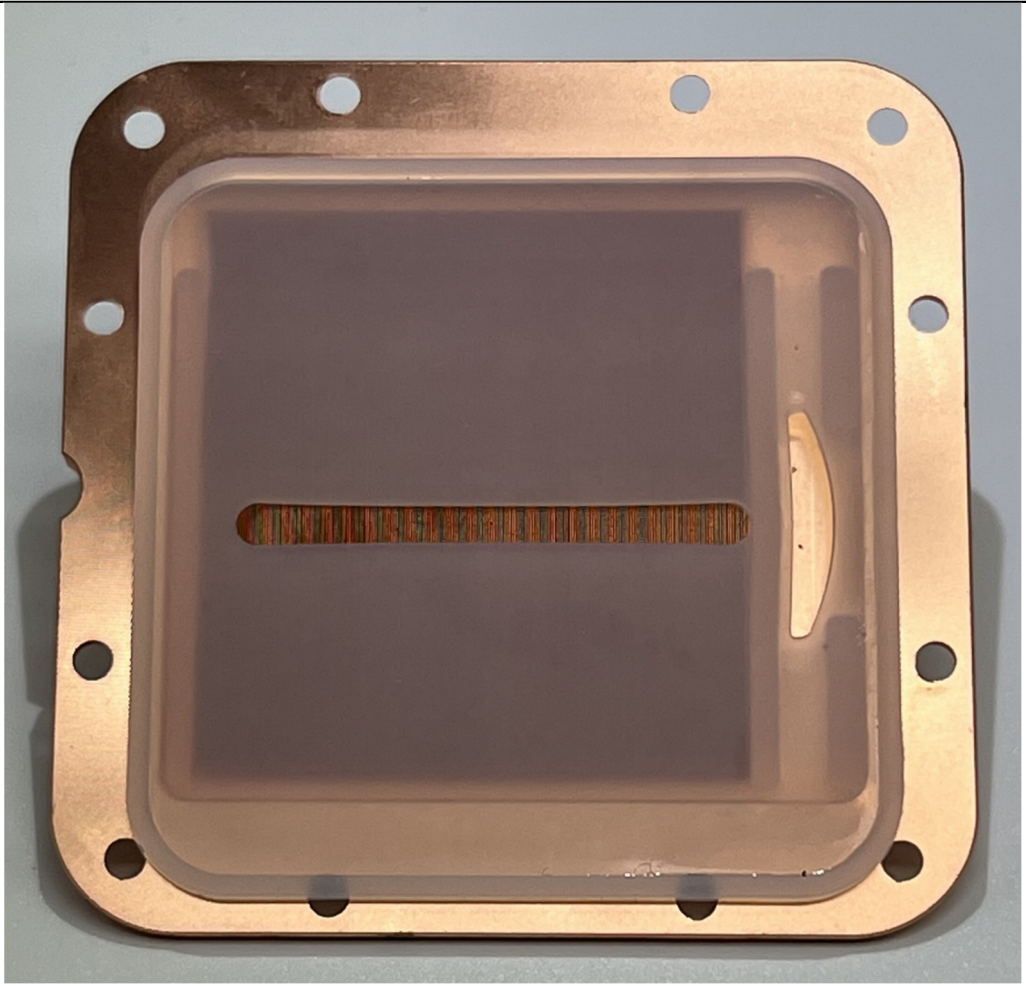
Claims of the '450 Patent	SilverStone PF240W
<p>plate disposed on the cover member;</p>	<p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p>  <p>Second, two views of the bottom of the flow guidance plate are depicted here:</p>  <p>When the SilverStone PF240W is assembled, the flow guidance plate is disposed on the cover member (<i>i.e.</i>, the plastic membrane).</p>

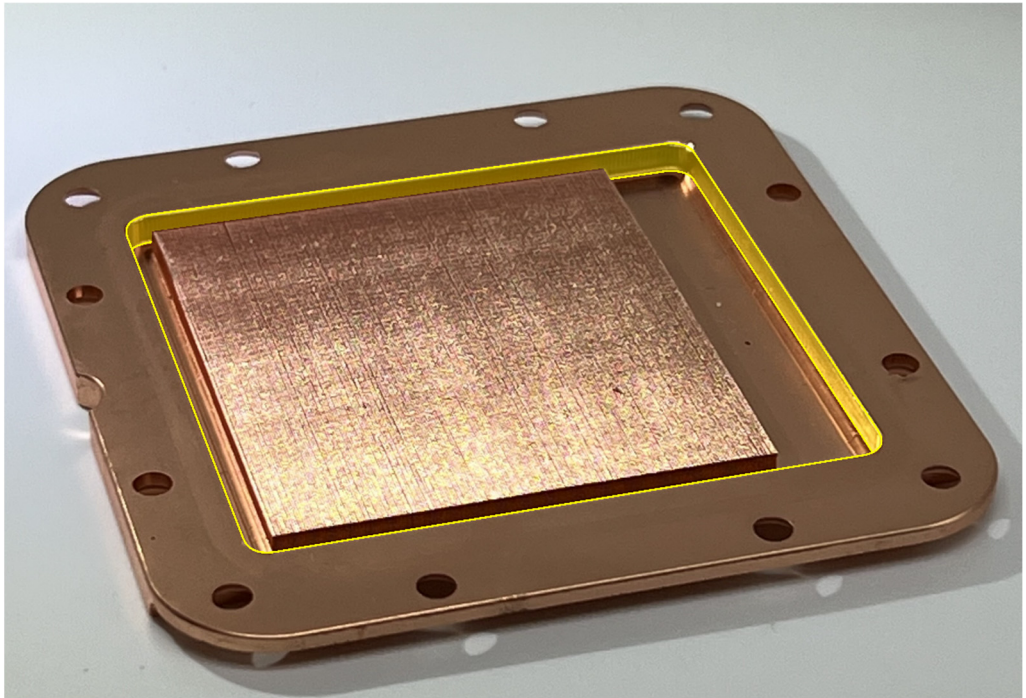
Claims of the '450 Patent	SilverStone PF240W
<p>a housing disposed on the flow guidance plate; and</p>	<p>The SilverStone PF240W includes a housing disposed on the flow guidance plate.</p> <p>Images of the top and bottom of the housing are shown below:</p>  <p>When the SilverStone PF240W is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p>
<p>an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p>	<p>The SilverStone PF240W includes an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p> <p>Images of this outer casing are shown below:</p>

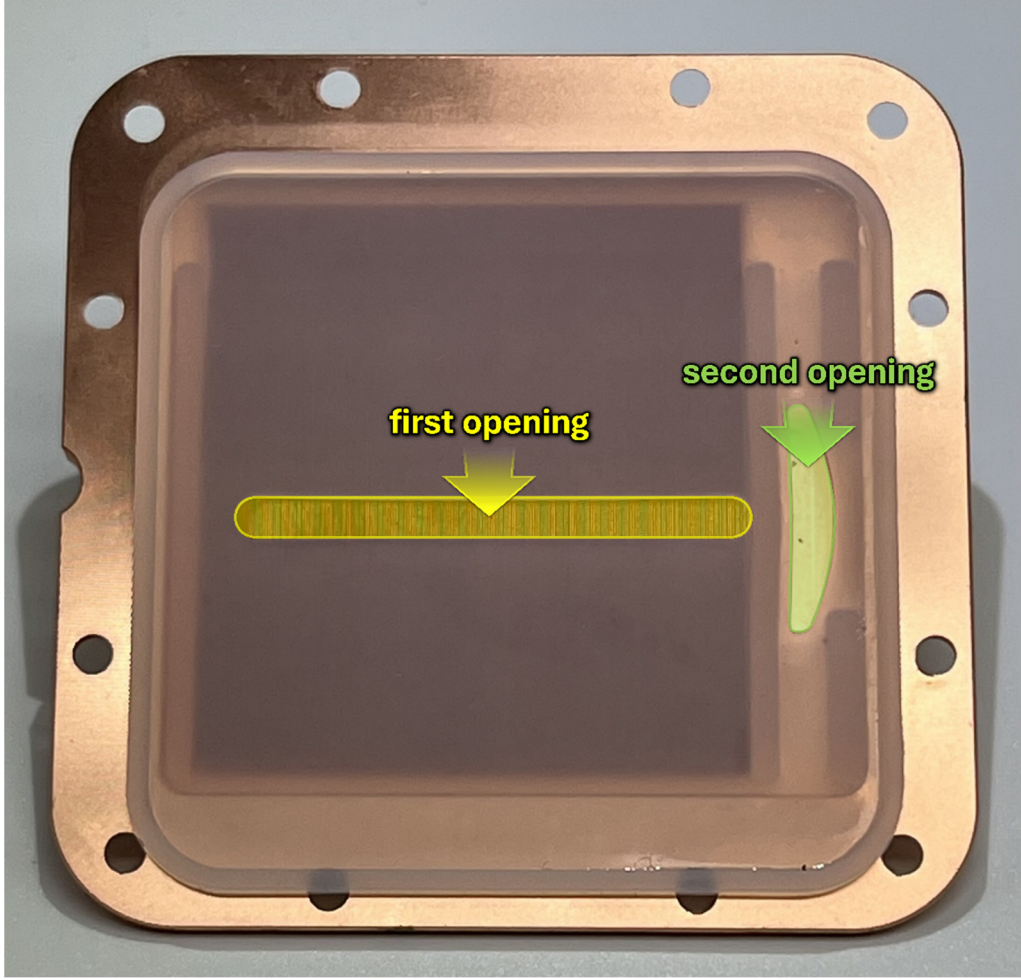
Claims of the '450 Patent	SilverStone PF240W	
		
	<p>When the SilverStone PF240W is assembled, the outer casing is secured to the base plate and at least partially encloses the cover member, the flow guidance plate, and the housing.</p>	


Claims of the '450 Patent	SilverStone ICEGEM360
1. A cooling apparatus, comprising:	<p>The SilverStone ICEGEM360 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone ICEGEM360, available at https://www.silverstonetek.com/upload/sstedm/ig360-argb/IG360-ARGB-Product_Sheet-EN.pdf.</p> <div data-bbox="415 611 938 1041">  <p>ICEGEM 360 All-in-one high cooling performance liquid coolers to meet all platforms with high power consumption</p> <ul style="list-style-type: none"> • Full block coverage to entirely cover the IHS of Ryzen Threadripper processor • Pressure optimized fans with brighter ARGB effects can effectively dissipate heat from the radiator • Scintillating diamond-cut design with SilverStone logo plating • Integrated addressable RGB lighting for water block and fans • Includes addressable RGB controller with 10 lighting modes and ability to adjust brightness and color changing speeds • The pump motor utilizes three phase, six pole design for smoother, quieter operation compared to most single phase, four pole design. Energy efficiency also improves as well • Compatible with Intel LGA 115X/1366/1200/2011/2066 and AMD sTRX4/TR4/AM4/AM3/AM2/FM2/FM1 sockets </div> 
a base plate configured to dissipate heat and including a heat exchange unit;	<p>The SilverStone ICEGEM360 includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p>


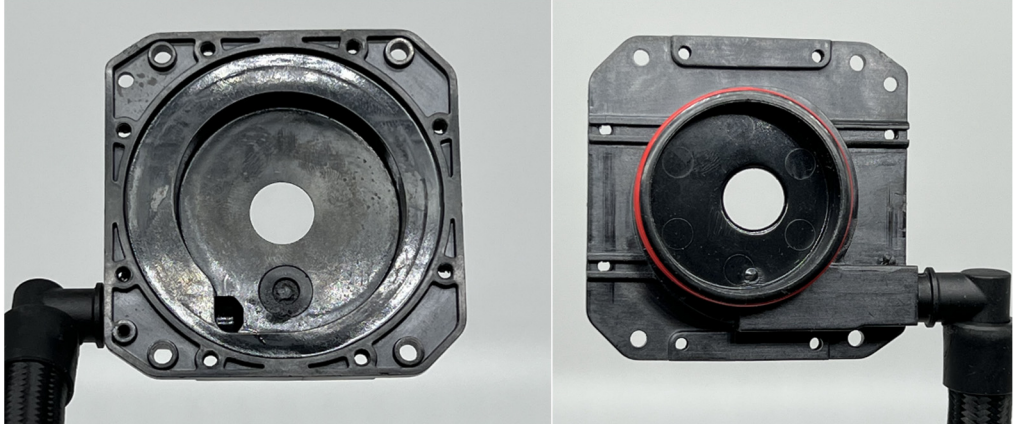
Claims of the '450 Patent	SilverStone ICEGEM360
	 <p data-bbox="402 1062 1382 1178">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1230 1382 1262">The base plate is configured to dissipate heat through the heat exchange unit.</p>
a cover member coupled to the base plate and at least partially enclosing the heat exchange unit,	<p data-bbox="402 1318 1365 1392">The SilverStone ICEGEM360 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1444 1110 1476">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1528 1382 1602">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>


Claims of the '450 Patent	SilverStone ICEGEM360
	 <p data-bbox="402 1423 1421 1507">When the SilverStone ICEGEM360 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p>
the cover member and the base plate defining a heat exchange chamber that	<p data-bbox="402 1518 1421 1591">The cover member and the base plate in the SilverStone ICEGEM360 define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="402 1644 1421 1883">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p>


Claims of the '450 Patent	SilverStone ICEGEM360
includes the heat exchange unit,	<p data-bbox="402 363 1377 443">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p> 
the cover member defining a first opening and a second opening,	<p data-bbox="402 1188 1406 1268">The cover member in the SilverStone ICEGEM360 defines a first opening and a second opening.</p> <p data-bbox="402 1314 1406 1394">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p>

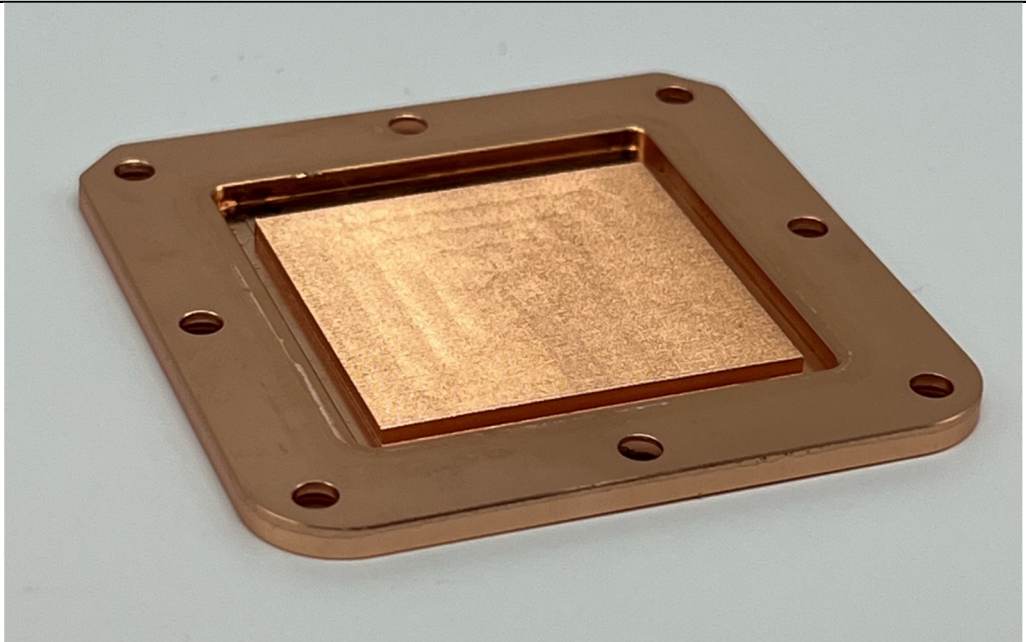
Claims of the '450 Patent	SilverStone ICEGEM360
	
<p>and the cover member being coupled to the base plate such that at least one of the first opening and the second</p>	<p>In the SilverStone ICEGEM360, the cover member is coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange chamber.</p>

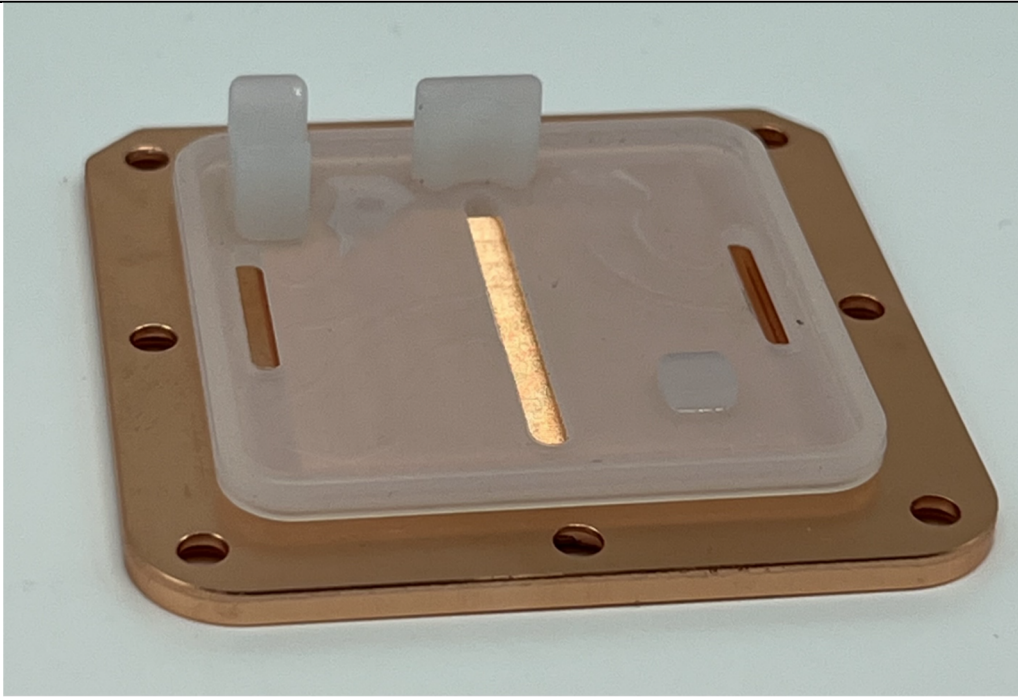
Claims of the '450 Patent	SilverStone ICEGEM360
opening is above the heat exchange chamber;	
a flow guidance plate disposed on the cover member;	<p>The SilverStone ICEGEM360 includes a flow guidance plate disposed on the cover member.</p> <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p>  <p>Second, two views of the bottom of the flow guidance plate are depicted here:</p>

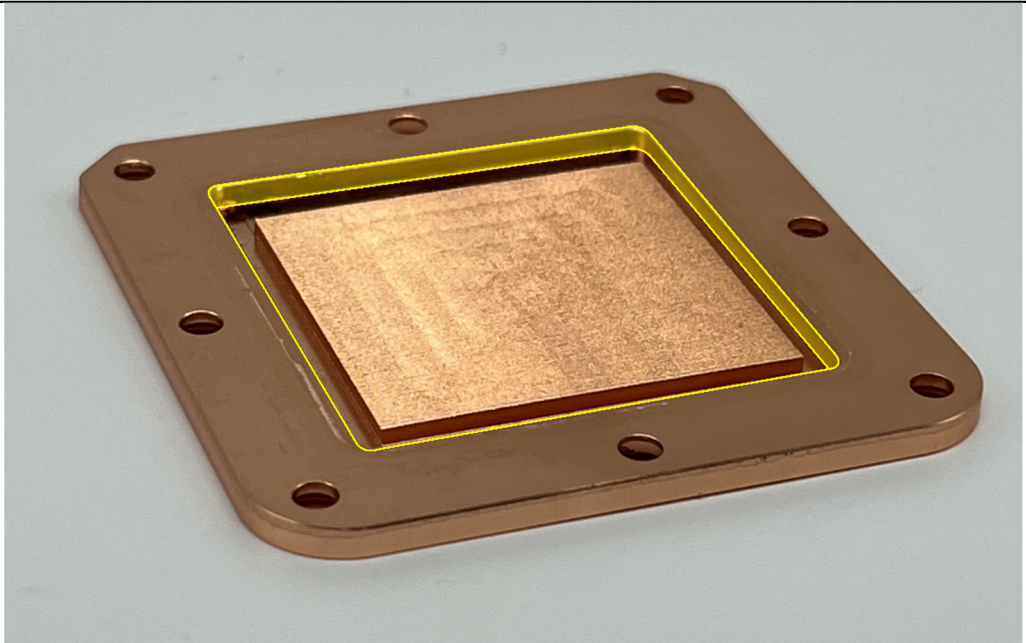
Claims of the '450 Patent	SilverStone ICEGEM360
	 <p data-bbox="402 842 1409 919">When the SilverStone ICEGEM360 is assembled, the flow guidance plate is disposed on the cover member (<i>i.e.</i>, the plastic membrane).</p>
a housing disposed on the flow guidance plate; and	<p data-bbox="402 968 1409 1045">The SilverStone ICEGEM360 includes a housing disposed on the flow guidance plate.</p> <p data-bbox="402 1094 1409 1129">Images of the top and bottom of the housing are shown below:</p>  <p data-bbox="402 1696 1409 1774">When the SilverStone ICEGEM360 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p>


Claims of the '450 Patent	SilverStone ICEGEM360
<p>an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p>	<p>The SilverStone ICEGEM360 includes an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p> <p>Images of this outer casing are shown below:</p> <div data-bbox="402 569 1386 1213">  </div> <p>When the SilverStone ICEGEM360 is assembled, the outer casing is secured to the base plate and at least partially encloses the cover member, the flow guidance plate, and the housing.</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
1. A cooling apparatus, comprising:	<p>The SilverStone VIDA 240 Slim is a cooling apparatus.</p> <p><i>See, e.g.,</i> Product Sheet - SilverStone VIDA 240 Slim, available at https://www.silverstonetek.com/upload/sstedm/VIDA%20240%20SLIM/VIDA240-SLIM-Product_Sheet-EN.pdf.</p> <div data-bbox="885 609 1218 661"> <h2>VIDA 240 SLIM</h2> </div> <div data-bbox="885 672 1404 703"> <p>High performance slim All-In-One liquid cooler</p> </div> <div data-bbox="414 693 836 1081">  </div> <ul data-bbox="885 756 1404 1218" style="list-style-type: none"> • 38mm total thickness for fan and radiator • SilverStone's unique 22mm radiator design, allows for effective heat dissipation in cases with space constraints • Water pump integrated within the radiator • Aluminum alloy cavity pump strengthens the overall structure • Three phase, six pole motor design • 9-bladed pressure optimized fan blades • Rotatable CPU water block • Integrated rubber padding on fan mounts to further reduce vibrational noise • ARGB controller included with 10 lighting modes, and adjustable brightness and color changing speed
a base plate configured to dissipate heat and including a heat exchange unit;	<p>The SilverStone VIDA 240 Slim includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p>


Claims of the '450 Patent	SilverStone VIDA 240 Slim
	 <p data-bbox="402 1003 1421 1123">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1171 1421 1207">The base plate is configured to dissipate heat through the heat exchange unit.</p>
a cover member coupled to the base plate and at least partially enclosing the heat exchange unit,	<p data-bbox="402 1255 1421 1333">The SilverStone VIDA 240 Slim includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1381 1421 1417">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1465 1421 1543">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>


Claims of the '450 Patent	SilverStone VIDA 240 Slim
	 <p data-bbox="402 1058 1403 1136">When the SilverStone VIDA 240 Slim is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p>
the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit,	<p data-bbox="402 1142 1414 1220">The cover member and the base plate in the SilverStone VIDA 240 Slim define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="402 1268 1414 1514">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="402 1562 1377 1640">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
	 <p data-bbox="402 1045 1356 1081">As described, this heat exchange chamber includes the heat exchange unit.</p>
the cover member defining a first opening and a second opening,	<p data-bbox="402 1136 1388 1213">The cover member in the SilverStone VIDA 240 Slim defines a first opening and a second opening.</p> <p data-bbox="402 1262 1404 1339">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
	
<p>and the cover member being coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber;</p>	<p>In the SilverStone VIDA 240 Slim, the cover member is coupled to the base plate such that at least one of the first opening and the second opening is above the heat exchange chamber.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange chamber.</p>
<p>a flow guidance plate</p>	<p>The SilverStone VIDA 240 Slim includes a flow guidance plate disposed on the cover member.</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
disposed on the cover member;	<p data-bbox="402 363 1325 436">In particular, the SilverStone VIDA 240 Slim has a guiding and housing element, shown below.</p> <p data-bbox="402 489 1365 525">First, a view of the top of the guiding and housing element is depicted here:</p> <div data-bbox="402 569 1421 1514">A black and white photograph showing the top view of a rectangular, dark-colored plastic component. The component has a complex internal structure with various slots, holes, and raised sections. A prominent horizontal slot runs across the middle. There are several circular holes of different sizes, some of which are covered by small, dark, circular caps. The edges of the component are slightly raised, and there are some small, protruding features on the sides.</div> <p data-bbox="402 1566 1382 1640">Second, a view of the bottom of the guiding and housing element is depicted here:</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
	 <p data-bbox="402 1388 1421 1514">The flow guidance plate is the lower portion of the guiding and housing element. The bottom surface of the flow guidance plate is visible in the image of the bottom of the guiding and housing element, shown above.</p> <p data-bbox="402 1556 1421 1640">When the SilverStone VIDA 240 Slim is assembled, the flow guidance plate is disposed on the cover member (<i>i.e.</i>, the plastic membrane).</p>
a housing disposed on the flow guidance plate; and	<p data-bbox="402 1682 1421 1766">The SilverStone VIDA 240 Slim includes a housing disposed on the flow guidance plate.</p> <p data-bbox="402 1808 1421 1890">In particular, the upper portion of the guiding and housing element shown above is the housing. And because the upper portion of the guiding and</p>

Claims of the '450 Patent	SilverStone VIDA 240 Slim
	housing element is above the lower portion of the guiding and housing element (<i>i.e.</i> , the flow guidance plate), the housing is disposed on the flow guidance plate in the SilverStone VIDA 240 Slim.
an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.	<p>The SilverStone VIDA 240 Slim includes an outer casing secured to the base plate and at least partially enclosing the cover member, the flow guidance plate, and the housing.</p> <p>Images of this outer casing are shown below:</p> <div data-bbox="402 699 1261 1203">  </div> <p>When the SilverStone VIDA 240 Slim is assembled, the outer casing is secured to the base plate and at least partially encloses the cover member, the flow guidance plate, and the housing.</p>